IN THE CLAIMS:

1. (Currently Amended) Interior rearview mirror for vehicles, comprising:

a mirror ~~housing~~ cover defining a rearward opening and a frame thereabout;

a mirror operatively secured within said mirror cover and visible through said rearward opening;

a backing plate fixedly secured to said mirror;

a drive operatively connecting said backing plate to said mirror cover and for moving said mirror with respect to said frame and said mirror cover;

an ~~in which is accommodated at least one~~ electronics circuit board secured to said mirror cover for controlling said drive;

a ~~for at least one~~ sensor ~~, said sensor being~~ arranged in said frame ~~the detection region~~ for generating signals relating to ambient conditions arriving at said ~~the~~ interior rearview mirror from outside; and

~~, wherein the sensor is seated on~~ a sensor circuit board fixedly secured to said sensor and ~~that is~~ spatially separated from said backing plate[[,]] and ~~connected by signals to, the~~ from said electronics circuit board, and ~~the~~ said sensor circuit board ~~is~~ arranged in the region between said ~~an actuator~~ drive of said ~~the~~ interior rearview mirror and said [[a]] mirror ~~glass~~, such that said sensor and said sensor circuit board maintain a constant orientation with respect to said frame and independent of an orientation of said mirror.

2. (Cancelled)

3. (Previously Presented) Interior rearview mirror according to claim 1 wherein the sensor circuit board is attached at the edge of the mirror housing.

4. (Previously Presented) Interior rearview mirror according to claim 1, wherein the sensor circuit board and the electronics circuit board are connected to one another by at least one flexible line.

5. (Previously Presented) Interior rearview mirror according to claim 4, wherein the flexible line is a conductive trace.

6. (Previously Presented) Interior rearview mirror according to claim 1, wherein the sensor circuit board is wirelessly connected by signals to the electronics circuit board.

7. (Currently Amended) Interior rearview mirror according to claim 1, wherein the sensor is ~~accomodated~~ accommodated in a receiving opening in the edge of the mirror housing.

8. (Previously Presented) Interior rearview mirror according to claim 1, wherein the sensor is centered on the edge of the mirror housing.

9. (Previously Presented) Interior rearview mirror according to claim 1, wherein the sensor is an EC headlight glare sensor.

10. (Previously Presented) Interior rearview mirror according to claim 1, wherein the mirror housing has a frame and a cover connected therewith.

11. (Currently Amended) Interior rearview mirror according to claim 1, further comprising a mirror glass, wherein said mirror is an electrochromic mirror glass ~~the mirror glass is an EC mirror glass~~.

12 – 16. (Cancelled)